Title (en)

KINEMATIC AND PARAMETERIZED MODELING FOR PATIENT-ADAPTED IMPLANTS, TOOLS, AND SURGICAL PROCEDURES

Title (de)

KINEMATISCHE UND PARAMETRISIERTE MODELLIERUNG FÜR PATIENTENADAPTIERTE IMPLANTATE, WERKZEUGE UND CHIRURGISCHE EINGRIFFE

Title (fr)

MODÉLISATION CINÉMATIQUE ET PARAMÉTRÉE POUR DES IMPLANTS, OUTILS ET PROCÉDURES CHIRURGICALES ADAPTÉS AU PATIENT

Publication

EP 2967813 A4 20161109 (EN)

Application

EP 14765606 A 20140315

Priority

- US 201361801865 P 20130315
- US 2014030001 W 20140315

Abstract (en)

[origin: WO2014145267A1] Patient-adapted articular repair systems, including implants, instruments, and surgical plans, and methods of making and using such systems, are disclosed herein. In particular, various embodiments include methods of selecting and/or designing patient-adapted surgical repair systems using parameterized models and/or multibody simulations.

IPC 8 full level

A61F 2/02 (2006.01); A61B 34/10 (2016.01)

CPC (source: EP US)

A61B 17/15 (2013.01 - EP US); **A61B 34/10** (2016.02 - EP US); **A61F 2/30942** (2013.01 - EP US); **G05B 19/4099** (2013.01 - US); A61B 2017/00526 (2013.01 - EP US); A61B 2034/105 (2016.02 - EP US); A61B 2034/108 (2016.02 - EP US); A61B 2034/2051 (2016.02 - EP US); A61B 2034/2055 (2016.02 - EP US); A61F 2002/30943 (2013.01 - US); A61F 2002/30948 (2013.01 - EP US); A61F 2002/30955 (2013.01 - EP US); A61F 2240/001 (2013.01 - EP US); G05B 2219/35134 (2013.01 - US)

Citation (search report)

- [X] US 2011029093 A1 20110203 - BOJARSKI RAY [US], et al
- See references of WO 2014145267A1

Cited by

US11250561B2; US11526988B2; US11645749B2; US9990720B2; US10672124B2; US11282195B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014145267 A1 20140918; EP 2967813 A1 20160120; EP 2967813 A4 20161109; HK 1220346 A1 20170505; US 11229519 B2 20220125; US 2016045317 A1 20160218; US 2018235762 A1 20180823; US 2020214843 A1 20200709; US 2022087822 A1 20220324; US 2023233329 A1 20230727

DOCDB simple family (application)

US 2014030001 W 20140315; EP 14765606 A 20140315; HK 16108411 A 20160715; US 201414775190 A 20140315; US 201815956378 A 20180418; US 202016822865 A 20200318; US 202117544288 A 20211207; US 202318192362 A 20230329